

6-27

Approve as soon
as Bette says
it's OK.

M.S.

DATE IN 6/23/00	SUSPENSE 7/13/00	ENGINEER MS	LOGGED KN	TYPE NSL
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]
 [DD-Directional Drilling] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Directional Drilling

☒ NSL ☐ NSP ☐ DD ☐ SD

Check One Only for [B] and [C]

[B] Commingling - Storage - Measurement

DHC CTB PLC PC OLS OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

WFX PMX SWD IPI EOR PPR

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply

[A] Working, Royalty or Overriding Royalty Interest Owners

[B] Offset Operators, Leaseholders or Surface Owner

[C] Application is One Which Requires Published Legal Notice

[D] ☒ Notification and/or Concurrent Approval by BLM or SLO

U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] For all of the above, Proof of Notification or Publication is Attached, and/or,

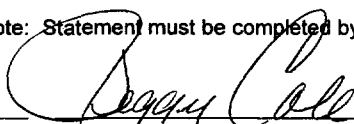
[F] Waivers are Attached

[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Peggy Cole



Regulatory/Compliance Administrator

Print or Type Name

Signature

Title

Date

BURLINGTON RESOURCES

SAN JUAN DIVISION

Sent Federal Express

Mr. Michael Stogner
New Mexico Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505

Re: San Juan 27-5 Unit #83M
2550'FNL, 2076'FWL Section 9, T-27-N, R-5-W, Rio Arriba County
30-039-26292

Dear Mr. Stogner:

Burlington Resources is applying for administrative approval of an unorthodox gas well location for the Basin Dakota. This well is planned as a Blanco Mesaverde/Basin Dakota commingled well. The referenced footage is a standard location for the Mesaverde by Order R-10987A dated February 3, 1999. This location is at the request of the Bureau of Land Management due to rough terrain in the form of very steep slopes which prevent an acceptable access road and well location.

Production from the Dakota pool is to be included in a 320 acre gas spacing and proration unit for the north half (N/2) in Section 9. Production from the Mesaverde is to be included in a 320 acre gas spacing and proration unit for the west half (W/2) in Section 9. Order DHC-2584 was received to commingle production from the Dakota and Mesaverde.

The following attachments are for your review:

- Application for Permit to Drill
- Completed C-102 at referenced location.
- Offset operators/owners plat - Burlington is the operator of the San Juan 27-5 Unit
- Topographic map

Burlington Resources believes there are no correlative rights issues because the encroachment is toward federal unit property. The San Juan 27-5 Unit #83M well is offset by San Juan 27-5 Unit acreage and Burlington is the operator of the San Juan 27-5 Unit.

Sincerely,



Peggy Cole
Regulatory Supervisor

xc: NMOCD - Aztec District Office
Bureau of Land Management

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-079391 Unit Reporting Number DK-8910009500 MV-891000950A	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator BURLINGTON RESOURCES Oil & Gas Company	7. Unit Agreement Name San Juan 27-5 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name San Juan 27-5 Unit 9. Well Number 83M	
4. Location of Well 2550' FNL, 2075' FWL Latitude 36° 35.3, Longitude 107° 22.0	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 9, T-27-N, R-5-W API # 30-039-26292	
14. Distance in Miles from Nearest Town 60 miles from Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 2075'	17. Acres Assigned to Well MV - 320 W/2 DK - 320 N/2	
16. Acres in Lease		
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1000'	This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4	
19. Proposed Depth 8549'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 7297' GR	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"	
24. Authorized by: <u><i>Regina Cole</i></u> Regulatory/Compliance Administrator	<u>12-20-99</u> Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

Archaeological Report to be submitted

Threatened and Endangered Species Report to be submitted

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or presentations as to any matter within its jurisdiction.

OPERATOR

DISTRICT D
P.O. Drawer DD, Artesia, N.M. 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
PO Box 2088, Santa Fe, NM 87504-2088

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, NM 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-039		2 Pool Code 72319/71599		3 Pool Name Blanco Mesaverde/Basin Dakota	
4 Property Code 7454		5 Property Name SAN JUAN 27-5 UNIT			6 Well Number 83M
7 OGRID No. 14538		8 Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY			9 Elevation 7297'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	9	27-N	5-W		2550	NORTH	2075	WEST	RIO ARRIBA

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	-Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres MV: W/320 DK: N/320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

18 S 88-55-55 E 2671.03' (MEAS.) FD. 1957 BLM BRASS CAP

2075' 2550' NMSF-079391

LAT. 36° 35.3' N
LONG. 107° 22.0' W

9

FD. 1957 BLM BRASS CAP NMSF-079391

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Signature

Peggy Cole

Printed Name _____

Regulatory Administration

1950

124

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey

Signature and Seal of Professional Surveyor

8508 515

FILE 10

SECRET

10/2/50

[Handwritten signature]

PROFESSIONAL

✓8894

Certificate Number

On 12/15/2016, 11:00 AM

OPERATIONS PLAN

Well Name: San Juan 27-5 Unit #83M
Location: 2550' FNL, 2075' FWL, Sec 9, T-27-N, R-5-W
Rio Arriba County, NM
Latitude 36° 35.3, Longitude 107° 22.0
Formation: Blanco Mesa Verde/Basin Dakota
Elevation: 7297' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	3449'	
Ojo Alamo	3449'	3629'	aquifer
Kirtland	3629'	3699'	gas
Fruitland	3699'	4118'	gas
Pictured Cliffs	4118'	4209'	gas
Lewis	4209'	4659'	gas
Intermediate TD	4309'		
Mesa Verde	4659'	5070'	gas
Chacra	5070'	5784'	gas
Massive Cliff House	5784'	5929'	gas
Menefee	5929'	6289'	gas
Massive Point Lookout	6289'	6788'	gas
Mancos	6788'	7458'	gas
Gallup	7458'	8224'	gas
Greenhorn	8224'	8284'	gas
Graneros	8284'	8319'	gas
Dakota	8319'		gas
TD	8549'		

Logging Program:

Cased hole - CBL-CCL-GR - TD to surface
Cores - none

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 200'	Spud	8.4-9.0	40-50	no control
200- 4309'	LSND	8.4-9.0	30-60	no control
4309- 8549'	Gas	n/a	n/a	n/a

Pit levels will be visually monitored to detect gain or loss of fluid control.

Casing Program (as listed, the equivalent, or better):

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csg. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 200'	9 5/8"	32.3#	WC-50
8 3/4"	0' - 4309'	7"	20.0#	J-55
6 1/4"	4209' - 8549'	4 1/2"	10.5#	K-55

Tubing Program:

0' - 8549' 2 3/8" 4.7# J-55

BOP Specifications, Wellhead and Tests:

Surface to Intermediate TD -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1).
After nipple-up prior to drilling out surface casing, rams and casing will be tested to 600 psi for 30 minutes.

Intermediate TD to Total Depth -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1).
After nipple-up prior to drilling out intermediate casing, rams and casing will be tested to 1500 psi for 30 minutes.

Surface to Total Depth -

2" nominal, 2000 psi minimum choke manifold (Reference Figure #3).

Completion Operations -

7 1/16" 2000 psi double gate BOP stack (Reference Figure #2). After nipple-up prior to completion, pipe rams, casing and liner top will be tested to 2000 psi for 15 minutes.

Wellhead -

9 5/8" x 7" x 2 3/8" x 3000 psi tree assembly.

General -

- Pipe rams will be actuated once each day and blind rams will be actuated once each trip to test proper functioning.
- An upper kelly cock valve with handle available and drill string valves to fit each drill string will be available on the rig floors at all times.
- BOP pit level drill will be conducted weekly for each drilling crew.
- All BOP tests and drills will be recorded in daily drilling reports.
- Blind and pipe rams will be equipped with extension hand wheels.

Cementing:

9 5/8" surface casing - cement with 159 sx Class "B" cement with 1/4# flocele/sx and 3% calcium chloride (188 cu.ft. of slurry, 200% excess to circulate to surface). WOC 8 hrs. Test casing to 600 psi for 30 minutes.

Saw tooth guide shoe on bottom. Bowspring centralizers will be run in accordance with Onshore Order #2.

7" intermediate casing -

Lead w/402 sx Class "B" w/3% sodium metasilicate, 7# gilsonite/sx and 1/2# flocele/sx. Tail w/90 sx 50/50 Class "B" Poz w/2% calcium chloride, 2% gel (1296 cu.ft. of slurry, 100% excess to circulate to surface.) WOC minimum of 8 hours before drilling out intermediate casing. If cement does not circulate to surface, a CBL will be run during completion operations to determine TOC. Test casing to 1500 psi for 30 minutes.

7" intermediate casing alternative two stage: Stage collar at 3599'. First stage: cement with w/158 sx Class "B" 50/50 poz w/2% gel, 2% calcium chloride, 0.5 pps Cellophane. Second stage: 369 sx Class "B" with 3% sodium metasilicate, 1/2 pps Cellophane, 10 pps Gilsonte (1296 cu.ft., 100% excess to circulate to surface).

Cement nose guide shoe on bottom with float collar spaced on top of shoe joint. Bowspring centralizers spaced every other joint off bottom, to the base of the Ojo Alamo at 3629'. Two turbolating centralizers at the base of the Ojo Alamo at 3629'. Bowspring centralizers spaced every fourth joint from the base of the Ojo Alamo to the base of the surface casing.

4 1/2" Production Liner -

Cement to cover minimum of 100' of 4 1/2" x 7" overlap. Lead with 491 sx 50/50 Class "H" Poz with 2% gel, 0.25# flocele/sx, 5# gilsonite/sx, 0.2% retardant and 0.4% fluid loss additive (624 cu.ft.), 40% excess to cement 4 1/2" x 7" overlap). WOC a minimum of 18 hrs prior to completing.

Cement float shoe on bottom with float collar spaced on top of shoe joint.

Note: To facilitate higher hydraulic stimulation completion work, no liner hanger will be used. In its place, a long string of 4 1/2" casing will be run and cemented with a minimum of 100' of cement overlap between the 4 1/2" x 7" casing strings. After completion of the well, a 4 1/2" retrievable bridge plug will be set below the top of cement in the 4 1/2" x 7" overlap. The 4 1/2" casing will then be backed off above the top of cement in the 4 1/2" x 7" overlap and laid down. The 4 1/2" bridge plug will then be retrieved and the production tubing will be run to produce the well.

- If hole conditions permit, an adequate water spacer will be pumped ahead of each cement job to prevent cement/ mud contamination or cement hydration.

Special Drilling Operations (Gas/Mist Drilling):

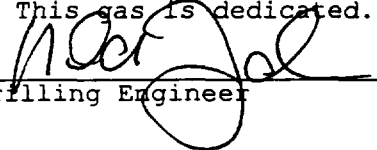
The following equipment will be operational while gas/mist drilling:

- An anchored blooie line will be utilized to discharge all cuttings and circulating medium to the blow pit a minimum of 100' from the wellhead.
- The blooie line will be equipped with an automatic igniter or pilot light.
- Compressors will be located a minimum of 100' from the wellhead in the opposite direction from the blooie line.
- Engines will have spark arresters or water cooled exhaust.
- Deduster equipment will be utilized.
- The rotating head will be properly lubricated and maintained.
- A float valve will be utilized above the bit.
- Mud circulating equipment, water, and mud materials will be sufficient to maintain control of the well.

Additional Information:

- The Dakota and Mesa Verde formations will be completed and commingled.
- No abnormal temperatures or hazards are anticipated.
- Anticipated pore pressures are as follows:

Fruitland Coal	300 psi
Pictured Cliffs	600 psi
Mesa Verde	700 psi
Dakota	2500 psi
- Sufficient LCM will be added to the mud system to maintain well control, if lost circulation is encountered.
- The west half of Section 9 is dedicated to the Mesaverde and the north half of Section 9 is dedicated to the Dakota in this well.
- This gas is dedicated.


Drilling Engineer

12/27/1999
Date

BURLINGTON RESOURCES OIL AND GAS COMPANY

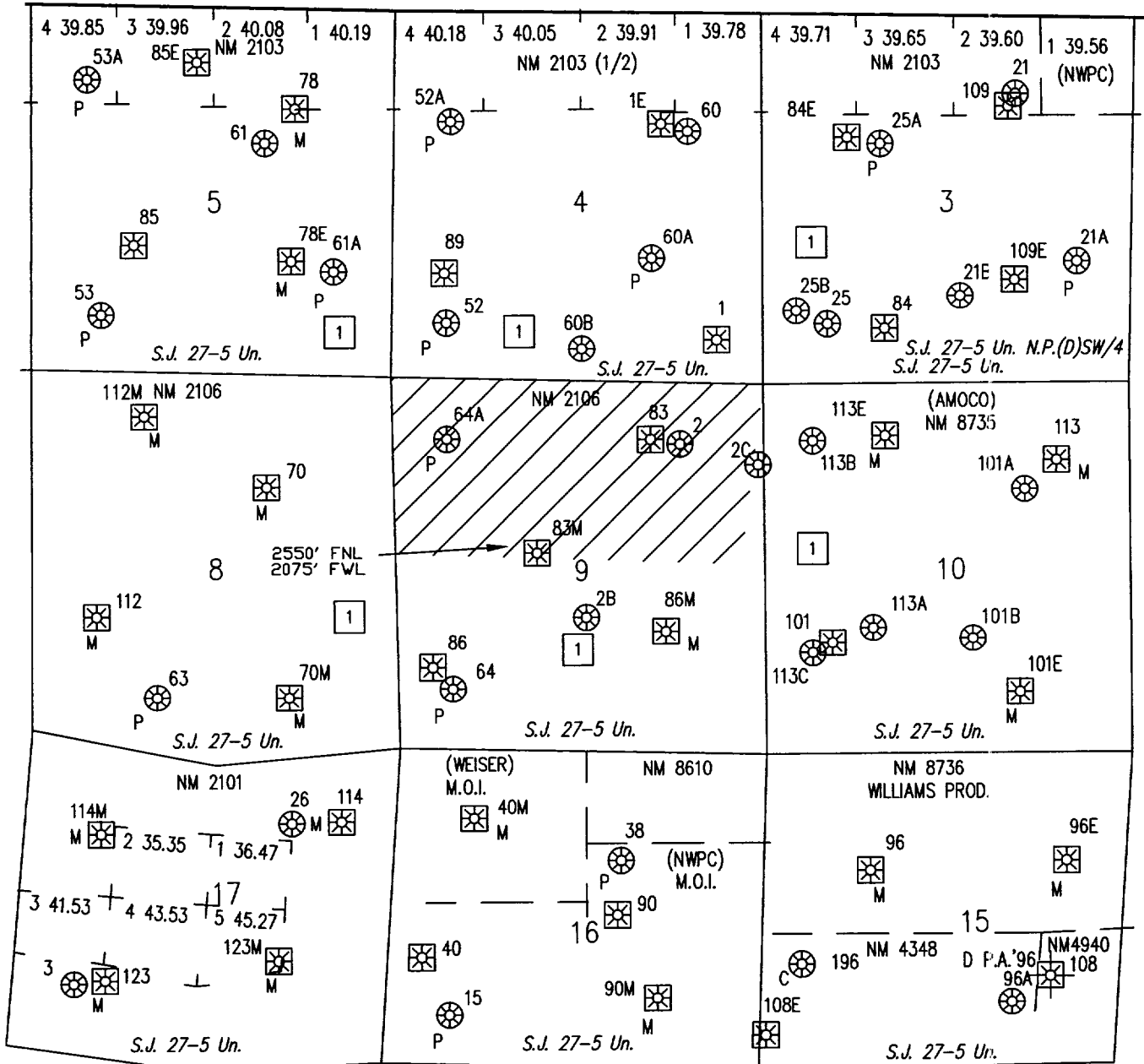
San Juan 27-5 Unit #83M

Section 9, T-27-N, R-5-W

OFFSET OPERATOR/OWNER PLAT

Nonstandard Location

Dakota Formation Well



1 Burlington Resources



Proposed Well

BURLINGTON RESOURCES OIL & GAS COMPANY

SAN JUAN 27-5 UNIT #83M

NW/4 SEC. 9, T-27-N, R-5-W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

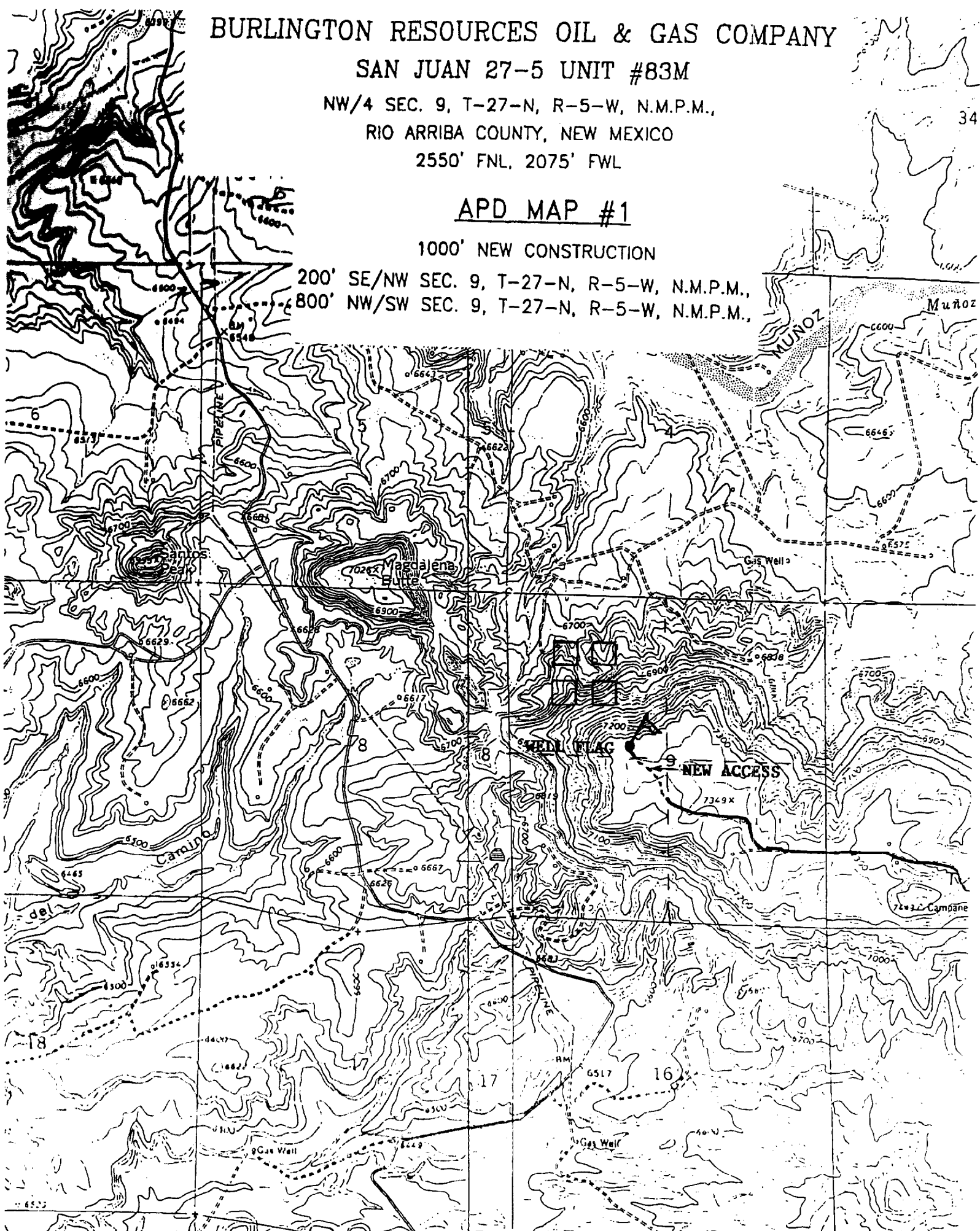
2550' FNL, 2075' FWL

APD MAP #1

1000' NEW CONSTRUCTION

200' SE/NW SEC. 9, T-27-N, R-5-W, N.M.P.M.,

800' NW/SW SEC. 9, T-27-N, R-5-W, N.M.P.M.,



CMD :
OG5SECTONGARD
INQUIRE LAND BY SECTION06/27/00 10:31:29
OGOMES -TQAY
PAGE NO: 1

Sec : 09 Twp : 27N Rng : 05W Section Type : NORMAL

D 40.00 Federal owned U A	C 40.00 Federal owned U	B 40.00 Federal owned U A	A 40.00 Federal owned U A A
E 40.00 Federal owned U	F 40.00 Federal owned U A	G 40.00 Federal owned U	H 40.00 Federal owned U

PF01 HELP
PF07 BKWDPF02
PF08 FWDPF03 EXIT
PF09 PRINTPF04 GoTo
PF10 SDIVPF05
PF11PF06
PF12

CMD :
OG5SECTONGARD
INQUIRE LAND BY SECTION06/27/00 10:31:34
OGOMES -TQAY
PAGE NO: 1

Sec : 09 Twp : 27N Rng : 05W Section Type : NORMAL

D 40.00 Federal owned U A	C 40.00 Federal owned U	B 40.00 Federal owned U A	A 40.00 Federal owned U A A
E 40.00 Federal owned U	F 40.00 Federal owned U A	G 40.00 Federal owned U	H 40.00 Federal owned U

E0001: The key depressed is invalid for this screen

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07 BKWD	PF08 FWD	PF09 PRINT	PF10 SDIV	PF11	PF12

CMD :
OG5SECTONGARD
INQUIRE LAND BY SECTION06/27/00 10:31:40
OGOMES -TQAY
PAGE NO: 2

Sec : 09 Twp : 27N Rng : 05W Section Type : NORMAL

L 40.00 Federal owned U	K 40.00 Federal owned U	J 40.00 Federal owned U A A	I 40.00 Federal owned U
M 40.00 Federal owned U A A	N 40.00 Federal owned U	O 40.00 Federal owned U A	P 40.00 Federal owned U

PF01 HELP
PF07 BKWDPF02
PF08 FWDPF03 EXIT
PF09 PRINTPF04 GoTo
PF10 SDIVPF05
PF11PF06
PF12

CMD : ONGARD 06/27/00 10:32:09
OG6IWCM INQUIRE WELL COMPLETIONS OGOMES -TQAY

API Well No : 30 39 20208 Eff Date : 01-01-1900 WC Status : A
Pool Idn : 71599 BASIN DAKOTA (PRORATED GAS)
OGRID Idn : 14538 BURLINGTON RESOURCES OIL & GAS CO
Prop Idn : 7454 SAN JUAN 27 5 UNIT

Well No : 083
GL Elevation: 6779

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
	---	---	-----	-----	-----	-----	-----
B.H. Locn : B	9	27N	05W	FTG	790 F N	FTG 1560 F E	P

Lot Identifier:
Dedicated Acre: 320.00
Lease Type : F
Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

M0025: Enter PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC

CMD : ONGARD 06/27/00 10:33:48
OG6C101 C101-APPLICATION FOR PERMIT TO DRILL OGOMES -TQAY

OGRID Idn : 14538 API Well No: 30 39 26292 APD Status(A/C/P): A
Opr Name, Addr: BURLINGTON RESOURCES OIL & GAS C Aprvl/Cncl Date : 03-06-2000
801 CHERRY ST
FT WORTH, TX 76102

Prop Idn: 7454 SAN JUAN 27 5 UNIT Well No: 83 M

	U/L	Sec	Township	Range	Lot	Idn	North/South	East/West
	---	---	-----	-----	-----	-----	-----	-----
Surface Locn :	F	9	27N	05W			FTG 2550 F N	FTG 2075 F W
OCD U/L :	F		API County :	39				

Work typ(N/E/D/P/A) : N Well typ(O/G/M/I/S/W/C): G Cable/Rotary (C/R) : F
Lease typ(F/S/P/N/J/U/I): F Ground Level Elevation : 7297

State Lease No: Multiple Comp (S/M/C) : Y
Prpsd Depth : 8549 Prpsd Frmtn : BLANCO MV/BASIN DK

E0009: Enter data to modify record

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 PRINT	PF10 C102	PF11 HISTORY	PF12

Stogner, Michael

From: Perrin, Charlie
Sent: Friday, August 18, 2000 2:09 PM
To: Stogner, Michael; Hayden, Steven
Cc: Perrin, Charlie
Subject: NSL

Mike

Burlington Resources
San Juan 27-5 unit 83M API 30-039-26292
09-27N-05W

Henry and Steve have both indicated their recommendation for approval.

CMD : ONGARD 08/18/00 16:23:09
OG6C101 C101-APPLICATION FOR PERMIT TO DRILL OGOMES -TPFU

OGRID Idn : 14538 API Well No: 30 39 26292 APD Status(A/C/P): A
Opr Name, Addr: BURLINGTON RESOURCES OIL & GAS C Aprvl/Cncl Date : 03-06-2000
801 CHERRY ST
FT WORTH, TX 76102

Prop Idn: 7454 SAN JUAN 27 5 UNIT Well No: 83 M

	U/L	Sec	Township	Range	Lot	Idn	North/South	East/West
Surface Locn	: F	9	27N	05W			FTG 2550 F N	FTG 2075 F W
OCD U/L	: F		API County	: 39				

Work typ(N/E/D/P/A) : N Well typ(O/G/M/I/S/W/C): G Cable/Rotary (C/R) : F
Lease typ(F/S/P/N/J/U/I): F Ground Level Elevation : 7297

State Lease No: Multiple Comp (S/M/C) : Y
Prpsd Depth : 8549 Prpsd Frmtn : BLANCO MV/BASIN DK

E0009: Enter data to modify record

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 PRINT	PF10 C102	PF11 HISTORY	PF12